

IN THE CLAIMS

Amend the claims as follows:

Claim 1. (Canceled).

2. (Presently Amended) A high purity source chemical container assembly, comprising: a high purity source chemical container, at least one inlet to the interior of the source chemical container, at least one outlet from the interior of the source chemical container, at least one source chemical solvent ampoule integral to said assembly, at least one inlet to the interior of the source chemical solvent ampoule, at least one outlet from the interior of the source chemical solvent ampoule, at least one solvent capture ampoule integral to said assembly sized to accommodate source chemical solvent from said source chemical solvent ampoule, and at least one orifice communicating with the interior of the solvent capture ampoule. ~~The assembly of Claim 1~~ wherein the source chemical solvent ampoule and the solvent capture ampoule comprise a single baffled ampoule.

3. (Presently Amended) A high purity source chemical container assembly, comprising: a high purity source chemical container, at least one inlet to the interior of the source chemical container, at least one outlet from the interior of the source chemical container, at least one source chemical solvent ampoule integral to said assembly, at least one inlet to the interior of the source chemical solvent ampoule, at least one outlet from the interior of the source chemical solvent ampoule, at least one solvent capture ampoule integral to said assembly sized to accommodate source chemical solvent from said source chemical solvent ampoule, and at least one orifice communicating with the interior of the solvent capture ampoule. ~~The assembly of Claim 1~~ wherein the source chemical solvent ampoule is inside said high purity source chemical container and said inlet to the interior of the source chemical

solvent ampoule and said outlet from the interior of the source chemical solvent ampoule access an exterior of said high purity source chemical container.

4. (Presently Amended) The assembly of Claim ~~4~~3 wherein the solvent capture ampoule is inside said high purity source chemical container and said orifice communicating with the interior of the solvent capture ampoule accesses an exterior of said high purity source chemical container.

Claims 5-7. (Canceled).

8. (Presently Amended) The assembly of Claim ~~4~~4 wherein said high purity source chemical container has a diptube connected to said outlet and extending to a point adjacent a bottom of said high purity source chemical container.

9. (Presently Amended) The assembly of Claim ~~4~~4 wherein said high purity source chemical container has a level sensor communicating with an exterior of said container and extending to a point adjacent a bottom of said high purity source chemical container.

10. (Original) The assembly of Claim 9 wherein said level sensor is selected from the group consisting of a float level sensor, an ultrasonic level sensor, a capacitance level sensor, an optical level sensor and combinations thereof.

11. (Presently Amended) The assembly of Claim ~~4~~4 wherein said inlet and said outlet of said high purity source chemical container each have a valve for controlling flow of pressurizing fluid or high purity source chemical, respectively.

12. (Original) The assembly of Claim 11 wherein said valve is selected from the group consisting of a pneumatic valve, a solenoid valve, a manual valve and combinations thereof.

13. (Presently Amended) The assembly of Claim ~~4~~4 wherein said source chemical solvent ampoule has a diptube connected to said outlet of said source chemical solvent ampoule and extending to a point adjacent a bottom of said source chemical solvent ampoule.

14. (Presently Amended) The assembly of Claim ~~4~~4 wherein said inlet to said high purity source chemical container is connected to a source of pressurizing inert gas.

15. (Presently Amended) The assembly of Claim ~~4~~4 wherein said inlet to said source chemical solvent ampoule is connected to a source of pressurizing inert gas.

16. (Presently Amended) The assembly of Claim ~~4~~4 wherein said source chemical solvent ampoule contains a solvent under pressure without connection to an external source of pressure.

17. (Presently Amended) The assembly of Claim ~~4~~4 wherein said solvent capture ampoule has two orifices.

18. (Original) The assembly of Claim 17 wherein one of said orifices of said solvent capture ampoule is connected to one of a low pressure vent or source of vacuum.

19. (Presently Amended) The assembly of Claim ~~4~~4 wherein the interior of said solvent capture ampoule is under vacuum without connection to a source of vacuum.

20. (Presently Amended) The assembly of Claim ~~1-4~~ wherein said assembly has a quantity of high purity source chemical contained in said high purity source chemical container selected from the group consisting of tantalum pentaethoxide (TAETO), tetrakis(diethylamino) titanium (TDEAT), tetrakis(dimethylamino) titanium (TDMAT), tetramethylcyclotetrasiloxane (TMCTS), copper hexafluoroacetylacetonate-trimethylvinylsilane (Cu(hfac)TMVS), tetraethylorthosilicate (TEOS), trimethylborate (TMB), triethylborate (TEB), trimethylphosphite (TMPi), triethylphosphate (TEPO), bistertiarybutylaminosilane (BTBAS), tantalumtetraethoxidedimethylaminoethoxide (TATDMAE), t-butylimidotrisdiethylamido tantalum (TBTDET), triethyl arsenite (TEOA), polyarylene ethers and mixtures thereof.

21. (Presently Amended) The assembly of Claim ~~1-4~~ wherein said assembly has a quantity of source chemical solvent contained in said source chemical solvent ampoule selected from the group consisting of organic alcohols such as methanol, ethanol, propanol, butanol, acetone, tetrahydrofuran, dimethylsiloxane, water, aliphatic hydrocarbons such as hexane, heptane, octane, decane, and dodecane, aromatic hydrocarbons, ketones, aldehydes, hydrocarbons, ethers, esters, glymes, aromatic hydrocarbons, halogen containing alcohols, alkyl nitriles, alkanols, organic amines, fluorinated compounds, perfluorocarbons such as perfluorohexane and perfluoroheptane and mixtures thereof.

Claims 22-34. (Canceled).

35. (Presently Amended) The assembly of Claim ~~33-4~~ wherein said source chemical solvent ampoule contains a solvent under pressure without connection to an external source of pressure.

36. (Presently Amended) The assembly of Claim ~~33~~4 wherein the interior of said solvent capture ampoule is under vacuum without connection to a source of vacuum.

37. (Presently Amended) A high purity source chemical container assembly, comprising: a high purity source chemical container, an inlet to the interior of the source chemical container having an integral pneumatic valve for connection to a source of pressurizing inert gas, an outlet from the interior of the source chemical container having an integral pneumatic valve for connection to a manifold to deliver high purity source chemical to a downstream process using said chemical said outlet having a diptube extending to a point adjacent a bottom of said source chemical container, at least one source chemical solvent ampoule integral to said assembly, an inlet to the interior of the source chemical solvent ampoule having an integral pneumatic valve for connection to a source of pressurizing inert gas, an outlet from the interior of the source chemical solvent ampoule having an integral pneumatic valve for connection to said manifold which delivers high purity source chemical to a downstream process, a solvent capture ampoule integral to said assembly sized to accommodate source chemical solvent from said source chemical solvent ampoule, and an orifice communicating with the interior of the solvent capture ampoule to receive source chemical solvent from said source chemical solvent ampoule through said manifold. ~~The assembly of Claim 33 wherein the source chemical solvent ampoule and the solvent capture ampoule comprise a single baffled ampoule.~~

Claims 38-39. (Canceled).

40. (Presently Amended) The assembly of Claim ~~1~~4 wherein said solvent capture ampoule has at least two orifices comprising at least one inlet for solvent entry and at least

on outlet to facilitate venting, each orifice having a valve for closing said orifices wherein said valve is selected from the group consisting of pneumatic, manual, electrical, hydraulic, solenoid and combinations thereof, a diptube that extends to near the bottom of the solvent capture ampoule and a level sense selected from the group consisting of floats, optical, capacitive, weight, thermal, or combinations thereof.

41. (Presently Amended) The assembly of Claim ~~1~~4 wherein said source chemical solvent ampoule contains a solvent for the high purity source chemical that reacts with the high purity source chemical to create soluble byproducts.

Claims 42-44. (Canceled).